

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-36. (Cancelled)

37. (Currently amended) A biological cell processing system, comprising:

- i. a supply module having a fluid distribution module and a plurality of supply containers, each configured to store a respective process chemical;
- ii. a cell module;
- iii. a processing module;
- iv. a control module;
- v. a plurality of conduits connecting the supply module to the processing module, and the cell module to the processing module;
- vi. a plurality of valves all adapted to the control module and individually adapted to either the supply module, the cell module or the processing module, the operation of the valves being regulatable by the control module; and
- vii. a plurality of sensors all adapted to the control module and individually adapted to either the supply module, the processing module or the cell module, the supply [[cell]] module sensor comprising a weight sensor for providing the weight of each process chemical to the control module;

wherein the control module confirms a correct amount of each process chemical has been transferred by measuring change of weight of the process chemicals stored in the supply module
~~the system is closed to environmental contaminants and provides for sterile processing of the~~
~~biological cells.~~

38. (Previously Presented) The system of claim 37, wherein the sensors further include pressure detection devices, optical detection devices, mass flow devices, temperature detection devices, volume determination devices or volume detection devices.

39. (Currently amended) The system of claim 37, wherein each of the supply containers stores different ~~contain~~ process chemicals.

40. (Previously Presented) The system of claim 39, wherein the process chemicals are selected from the group consisting of: citric acid, sodium phosphate, sodium chloride, water, polyethylene glycol, saline, isotonic buffers, glycan modifying enzymes, and glycan modifying enzyme buffers.

41. (Previously Presented) The system of claim 39, wherein the process chemicals are sterile.

42. (Currently amended) The system of claim 39, further comprising a filter positioned between the supply module and the processing module, the ~~in-line~~ filter having a median pore diameter of about 0.2 microns.

43. (Previously Presented) The system of claim 37, further comprising a leukocyte depletion filter positioned between the cell module and the processing module.

44. (Previously Presented) The system of claim 37, wherein the processing module further comprises a centrifuge system.

45. (Previously Presented) The system of claim 37, wherein the processing module further comprises a heat transfer system.

46. (Previously Presented) The system of claim 37, wherein the processing module further comprises a processing chamber.

47. (Previously Presented) The system of claim 46, wherein the processing module further comprises a variable volume processing chamber.

48. (Previously Presented) The system of claim 47, wherein the processing module further comprises an expressor system.

49. (Previously Presented) The system of claim 37, further comprising an air module.

50. (Previously Presented) The system of claim 49, wherein the air module includes a filter having a median pore diameter of about 0.2 microns.

51. (Previously Presented) The system of claim 37, further comprising a waste module.

52. (Previously Presented) The system of claim 37, wherein the fluid distribution module further comprises a plurality of pumps adapted to the control module and the supply containers.

53. (Currently amended) A biological cell processing system, comprising:

- i. a supply module having a fluid distribution module and a plurality of supply containers, each configured to store a respective process chemical;
- ii. a cell module having blood cells therein;
- iii. a processing module;
- iv. a control module;
- v. a plurality of conduits connecting the supply module to the processing module, and the cell module to the processing module;

- vi. a plurality of valves all adapted to the control module and individually adapted to either the supply module, the cell module or the processing module, the operation of the valves being regulatable by the control module;
- vii. a plurality of sensors all adapted to the control module and individually adapted to either the supply module, the processing module or the cell module, the supply [[cell]] module sensor comprising a weight sensor for providing the weight of each process chemical to the control module;

wherein the control module confirms a correct amount of each process chemical has been transferred by measuring change of weight of the process chemicals stored in the supply module
~~the system is closed to environmental contaminants and provides for sterile processing of the blood cells.~~

54. (Previously Presented) The system of claim 53, wherein the blood cells are erythrocytes.

55. (Previously Presented) The system of claim 54, wherein the blood cells have genotypes A, B or AB.